

"A" = Bis(DMH)methylsilane,  $E_A = 39.8$  kcal/mol, R.I. = 1.69  
 "C" = Tris(DMH)t-butylsilane,  $E_A = 28.6$  kcal/mol, R.I. = < 1.60 (est)  
 "E" = Tris(DMH)ethylsilane,  $E_A = 26.3$  kcal/mol, R.I. = 1.63  
 "F" = Bis(DMH)ethylsilane,  $E_A = 35.8$  kcal/mol, R.I. = 1.67  
 R.I. for 2:1 NH<sub>3</sub>, 550°C dep, 632.8 nm

FIG 1

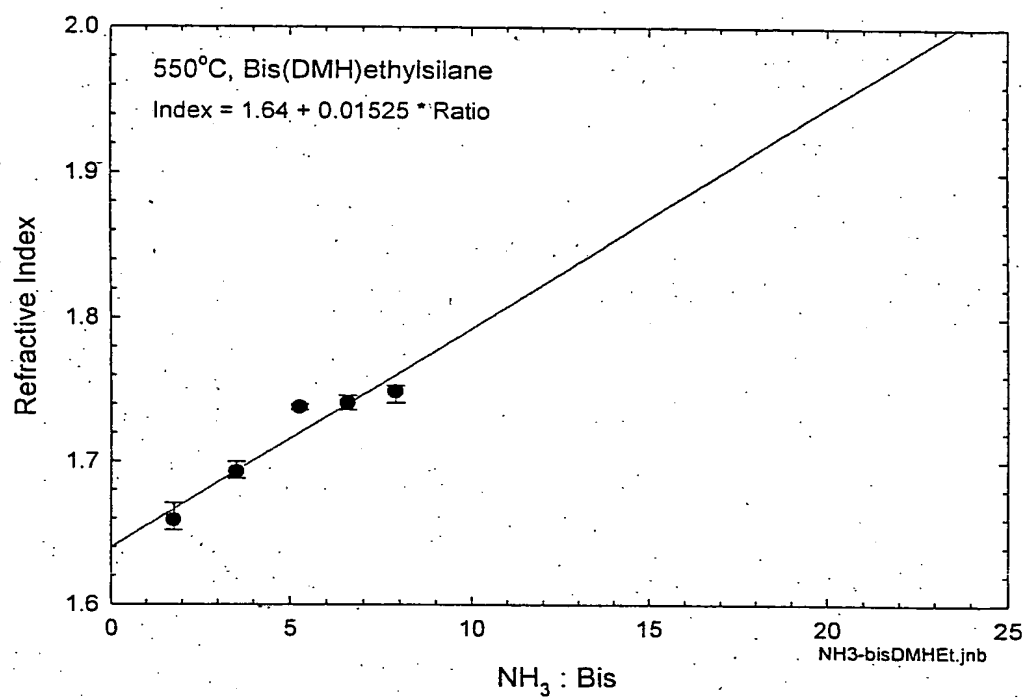


FIG 2

FIG 3A

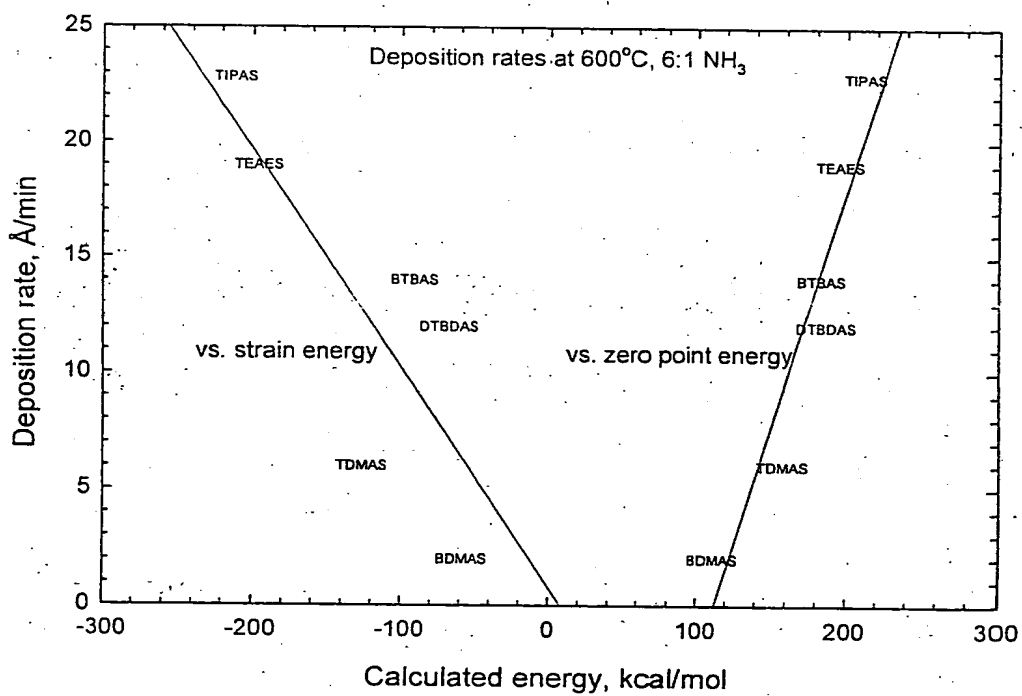
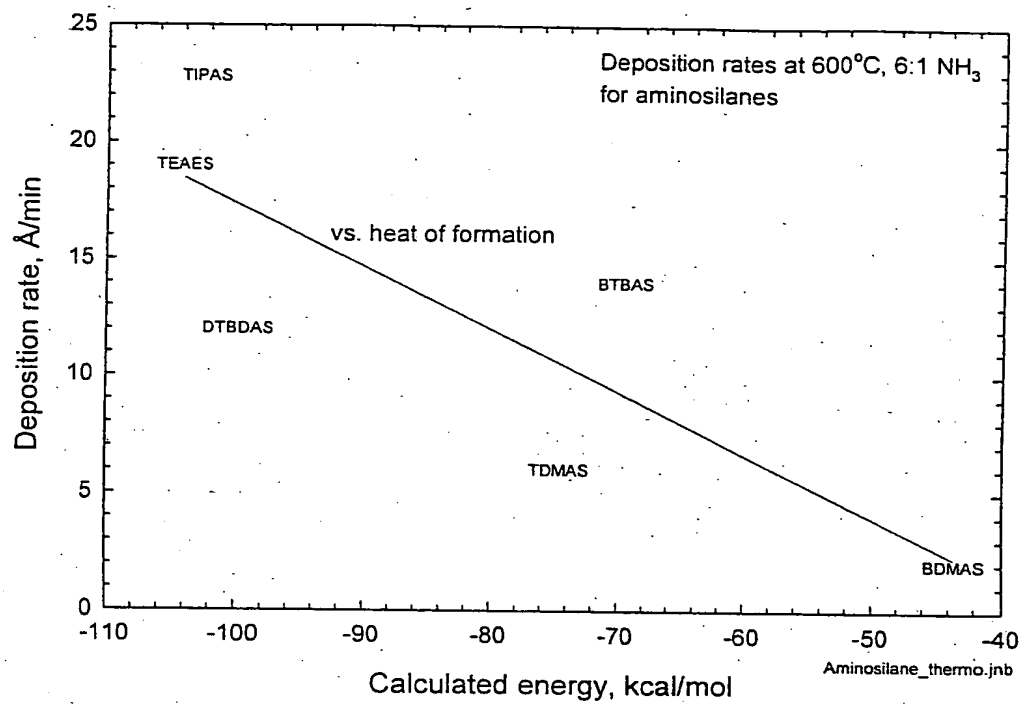


FIG 3B

FIG 4A

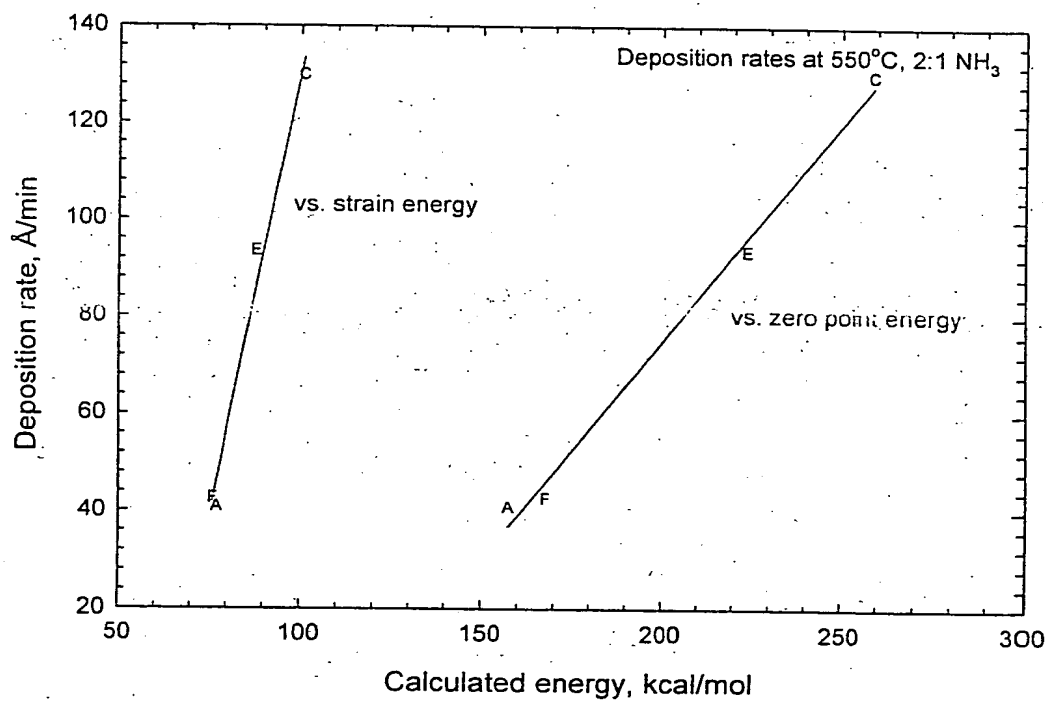
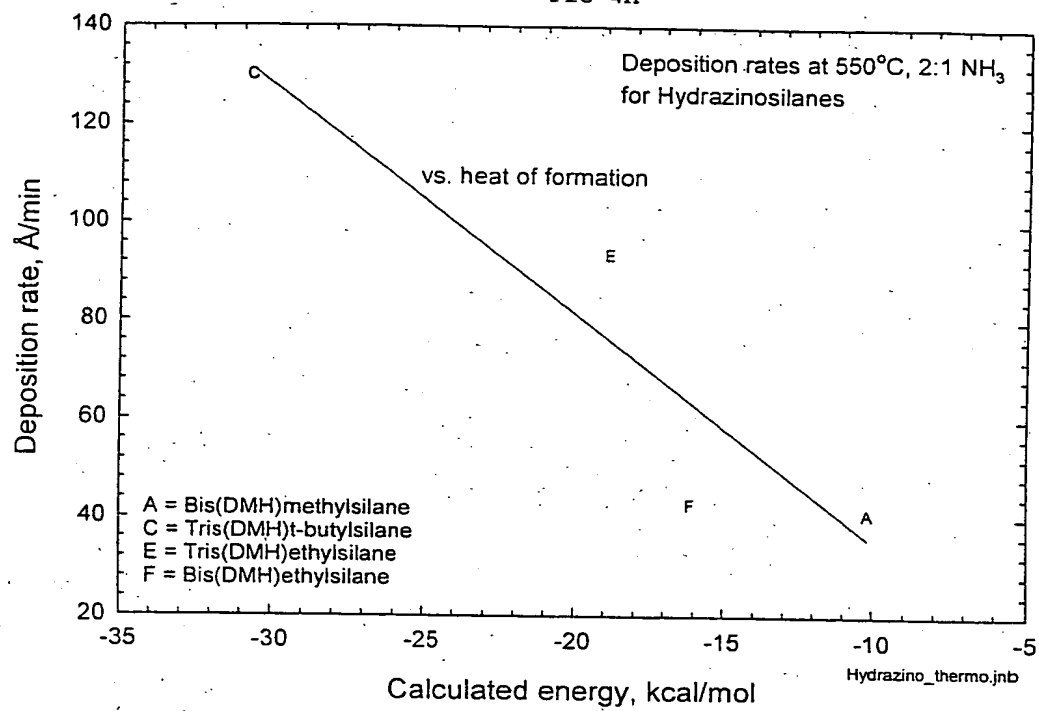


FIG 4B

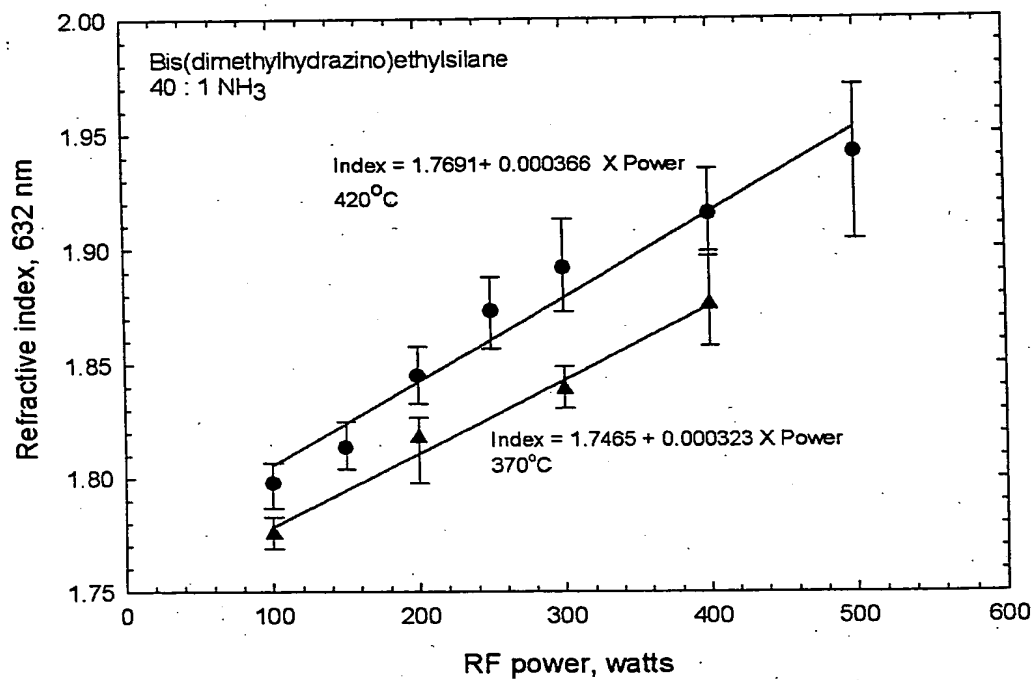


Figure 5

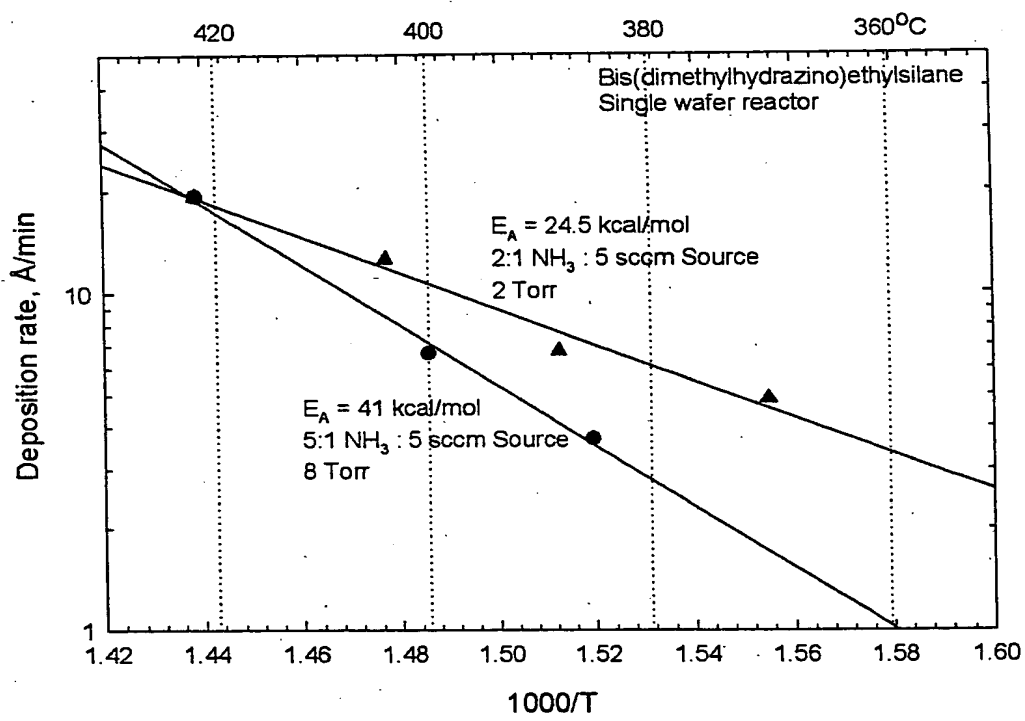


Figure 6